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1. A network connection recognition method for recognizing a device connected to a predetermined network, said network connection recognition method executing:

first processing of sending a command to an opposite party connected via said network to inquire a unit type or a subunit type;

second processing of sending a command corresponding to a type discriminated based on a response obtained by said first processing; and

third processing of determining a kind of the device based on a response obtained by said second processing.

2. The network connection recognition method according to claim 1, wherein

said second processing is processing of sending a command for opening a descriptor of said opposite party and processing of sending a command for reading out the opened descriptor, and a medium type of the device is determined based on the readout.

3. The network connection recognition method according to claim 1, wherein

said second processing is processing of sending a

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command for inquiring a format of a medium, and when there is a correct response for the command, the device is determined to be a device of a predetermined medium format.

4. The network connection recognition method according to claim 1, wherein

said processing of recognizing the device is executed after node IDs of devices connected to said network are acquired, when a bus line forming said network is reset.

5. A network system formed by connecting a plurality of terminal devices via a predetermined network, said network system comprising (as) a first terminal device in said network:

a command storage section for storing a first command to be used to inquire of a specific terminal device connected via said network about a unit type or a subunit type, and a second command prepared so as to correspond to a type discriminated based on a response to said first command; and

a network control section for successively sending out the first command and the second command stored in said command storage section to said network, and determining a kind of a device of an opposite party based on a response thereto,

said network system comprising as a second terminal device in said network:

a data transmission section responsive to discrimination

of said first command sent out from said first terminal device, for sending a first response to which data of a unit type or subunit type that the second terminal device has is added, and responsive to discrimination of said second command after transmission of the first response, for sending a second response to which data specified by said second command is added.

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FIG. 10
6. The network system according to claim 5, wherein:
said second terminal device comprises a descriptor storage section for storing data on a configuration of the device as a descriptor;

the second command stored in the command storage section included in said first terminal device comprises a command for opening the descriptor stored in the descriptor storage section of said second terminal device, and a command for reading out the opened descriptor; and

said network control section determines a medium type handled by the second terminal device, based on a response to the command for reading out the descriptor.

7. The network system according to claim 5, wherein:
said second terminal device comprises a storage section for storing data on a format handled by the device;

the second command stored in the command storage section included in said first terminal device is a command for

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inquiring a format of a medium; and

said network control section determines the second terminal device to be a device of a predetermined medium format when there is a correct response to the command for inquiring a format of a medium.

8. The network system according to claim 5, wherein said network control section performs processing of sending out said first and second commands after said network control section has acquired node IDs of terminal devices connected to said network, when a bus line forming said network is reset.

9. A network connection terminal device connected to a predetermined network, comprising

a command storage section for storing a first command to be used to inquire of an opposite party connected via said network about a unit type or a subunit type, and a second command prepared so as to correspond to a type discriminated based on a response to said first command, and

a network control section for successively sending out the first command and the second command stored in said command storage section to said network, and determining a kind of a device of the opposite party based on a response thereto.

10. The network connection terminal device according to claim 9, wherein

the second command stored in said command storage section comprises a command for opening the descriptor stored of said opposite party, and a command for reading out the opened descriptor, and

said network control section determines a medium type of the device, based on a response to the command for reading out the descriptor.

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11. The network connection terminal device according to claim 9, wherein

the second command stored in said command storage section is a command for inquiring a format of a medium, and

said network control section determines the device of the opposite party to be a device of a predetermined medium format when there is a correct response to the command for inquiring a format of a medium.

12. The network connection terminal device according to claim 9, wherein

said network control section performs processing of sending out said first and second commands after said network control section has acquired node IDs of devices connected to said network, when a bus line forming said network is reset.

13. A network connection terminal device connected to a predetermined network, comprising:

a data transmission section for performing communication with another terminal device in said network;

a command discrimination section for discriminating a command received by said data transmission section; and

a response generation section responsive to discrimination of the first command in said command discrimination section, for generating a first response to which data of a unit type or a subunit type that the device has is added, and responsive to discrimination of the second command in said command discrimination section after transmission of the first response, for generating a response to which data specified by the second command is added and sending out the generated response from said data transmission section.

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14. The network connection terminal device according to claim 13, wherein

the network connection terminal device comprises a descriptor storage section for storing data on a configuration of the device as a descriptor, and

when said command discrimination section has discriminated the second command, processing of opening the descriptor stored in said descriptor storage section and

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processing of reading out the opened descriptor and sending the opened descriptor to a sender of the command are performed.

15. The network connection terminal device according to claim 13, wherein

the network connection terminal device comprises a storage section for storing data on a format handled by the device, and

when said command discrimination section has discriminated the second command, processing of sending data on the format to a sender of the command is performed.

15. The network connection terminal device according to claim 13, wherein